

| <b>L<br/>Number</b> | <b>Hits</b> | <b>Search Text</b>   | <b>DB</b>  | <b>Time stamp</b>           |
|---------------------|-------------|--|--|-----------------------------|
| <b>1</b>            | <b>55</b>   | <b>antenna and stamping and stem</b>   | <b>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT;<br/>IBM_TDB</b> | <b>2003/07/08<br/>09:45</b> |
| <b>2</b>            | <b>0</b>    | <b>20030085844.URPN.</b>   | <b>USPAT</b>   | <b>2003/07/08<br/>09:27</b> |
| <b>3</b>            | <b>20</b>   | <b>("2397680"   "2470814"   "2631809"  <br/>"2682385"   "2716703"   "2941768"  <br/>"3131447"   "3154281"   "3237905"  <br/>"3345706"   "3346863"   "3444596"  <br/>"3501117"   "4334659"   "4505006"  <br/>"4572466"   "4763132"   "4813639"  <br/>"4958792"   "5393021").PN.</b> | <b>USPAT</b>   | <b>2003/07/08<br/>09:28</b> |
| <b>4</b>            | <b>0</b>    | <b>20030033747.URPN.</b>   | <b>USPAT</b>   | <b>2003/07/08<br/>09:29</b> |
| <b>5</b>            | <b>0</b>    | <b>(343/700.0MS, 343/846).ccls. and antenna<br/>and stem and stamping</b>  | <b>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT;<br/>IBM_TDB</b> | <b>2003/07/08<br/>09:44</b> |
| <b>6</b>            | <b>0</b>    | <b>(343/700.0MS, 343/846).ccls. and antenna<br/>and stem</b>   | <b>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT;<br/>IBM_TDB</b> | <b>2003/07/08<br/>09:44</b> |
| <b>7</b>            | <b>4</b>    | <b>Lebaric near Jovan .in. and<br/>Dao near Andy .in.</b>  | <b>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT;<br/>IBM_TDB</b> | <b>2003/07/08<br/>09:47</b> |
| <b>8</b>            | <b>242</b>  | <b>"monopole antenna".ti.</b>  | <b>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT;<br/>IBM_TDB</b> | <b>2003/07/08<br/>10:02</b> |
| <b>9</b>            | <b>1661</b> | <b>"monopole antenna".bi.</b>  | <b>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT;<br/>IBM_TDB</b> | <b>2003/07/08<br/>10:02</b> |
| <b>10</b>           | <b>12</b>   | <b>"monopole antenna".bi. and 29/\$.ccls.</b>  | <b>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT;<br/>IBM_TDB</b> | <b>2003/07/08<br/>10:03</b> |
| <b>11</b>           | <b>757</b>  | <b>"monopole antenna".bi. and 343/\$.ccls.</b>   | <b>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT;<br/>IBM_TDB</b> | <b>2003/07/08<br/>10:04</b> |

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| 12 | 762 | "monopole antenna" and 343/\$.cccls.                                   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/07/08<br>10:04. |
| 13 | 5   | "monopole antenna" and 343/\$.cccls. and<br>stamping and bending       | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/07/08<br>10:06  |
| 14 | 3   | ("5550554"   "5644319"   "5966097").PN.                                | USPAT   | 2003/07/08<br>10:05  |
| 15 | 14  | "monopole antenna" and 343/\$.cccls. and<br>stamping                   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/07/08<br>10:07  |
| 16 | 5   | "monopole antenna" and 29/\$.cccls. and<br>stamping                    | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/07/08<br>10:07  |
| 17 | 4   | "monopole antenna" and stem and stamping<br>and bending                | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/07/08<br>10:08  |
| 18 | 10  | "monopole antenna" and stem and bending                                | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/07/08<br>10:08  |
| 19 | 4   | "monopole antenna" and stem and stamping                               | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/07/08<br>10:08  |
| -  | 456 | suspension adj lines and (manufacturing or<br>method)                  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>08:20  |
| -  | 6   | suspension adj lines and (manufacturing or<br>method) and 29/\$.cccls. | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>08:21  |
| -  | 8   | suspension adj lines and 29/\$.cccls.                                  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>08:21  |

|   |       |   |   |                     |
|---|-------|---|---|---------------------|
| - | 0     | "suspended transmission lines" and (method or manufacturing) and 333/\$.ccls. and 29/\$.ccls. | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>08:22 |
| - | 4     | "suspended transmission lines" and (method or manufacturing) and 333/\$.ccls.                 | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>08:23 |
| - | 33    | "suspended transmission lines"  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>08:29 |
| - | 0     | 200180348.URPN.   | USPAT   | 2002/07/26<br>08:24 |
| - | 0     | 20020044098.URPN.   | USPAT   | 2002/07/26<br>08:26 |
| - | 0     | antenar or"suspended transmission lines"  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>08:28 |
| - | 33    | "suspended transmission lines"  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>08:29 |
| - | 4     | suspended near transmission adj lines and antenna   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>08:31 |
| - | 34    | suspended near transmission and antenna   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>08:33 |
| - | 73549 | transmission and antenna  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>08:33 |
| - | 0     | transmission and antenna and 29/^00.ccls.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>08:33 |

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|---|-----|--|---|---------------------|
| - | 61  | transmission and antenna and 29/600.ccls.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>08:37 |
| - | 69  | transmission and antenna and 333/128.ccls.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>08:41 |
| - | 1   | "5528203".PN.  | USPAT   | 2002/07/26<br>08:38 |
| - | 2   | ("3757272"   "4994771").PN.  | USPAT   | 2002/07/26<br>08:39 |
| - | 34  | suspended near transmission and antenna  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>08:42 |
| - | 330 | suspended near transmission  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>08:51 |
| - | 711 | 29/600.ccls.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>08:51 |
| - | 76  | 29/600.ccls. and circuit and antenna   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>09:05 |
| - | 30  | ("4089003"   "4218682"   "4660048"  <br>"4724381"   "4754218"   "4794329"  <br>"4804917"   "4827271"   "5140614"  <br>"5276457"   "5315753"   "5378992"  <br>"5400039"   "5436554"   "5450290"  <br>"5456778"   "5499442"   "5552702"  <br>"5565783"   "5566441"   "5592184"  <br>"5765280"   "5818398"   "5822856"  <br>"5844524"   "5906042"   "5916407"  <br>"5933121"   "5959511"   "5965043").PN. | USPAT   | 2002/07/26<br>08:53 |
| - | 11  | ("3953562"   "4624896"   "4679320"  <br>"4753694"   "4795512"   "4879156"  <br>"5085720"   "5130067"   "5254191"  <br>"5277723"   "5290375").PN.   | USPAT   | 2002/07/26<br>08:55 |
| - | 8   | ("H000680"   "3604012"   "3701162"  <br>"3949405"   "3950204"   "4255752"  <br>"4581614"   "5337065").PN.  | USPAT   | 2002/07/26<br>08:56 |

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|---|----|---|---|---------------------|
| - | 8  | ("3172112"   "4130822"   "4426649"   "4443802"   "4587524"   "4710775"   "4775866"   "5061943").PN.   | USPAT   | 2002/07/26<br>08:57 |
| - | 2  | 5760744.URPN.   | USPAT   | 2002/07/26<br>09:00 |
| - | 12 | ("3904997"   "4210885"   "4623893"   "4651159"   "4903033"   "5241321"   "5319378"   "5355143"   "5471181"   "5477231"   "5532643"   "5760744").PN.   | USPAT   | 2002/07/26<br>09:00 |
| - | 6  | ("3771075"   "3868594"   "3974462"   "4130822"   "5093639"   "5150088").PN.   | USPAT   | 2002/07/26<br>09:02 |
| - | 2  | ("2644928"   "3509495").PN.   | USPAT   | 2002/07/26<br>09:02 |
| - | 0  | 29/609.ccls. and circuit and antenna  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>09:05 |
| - | 7  | 29/592.1.ccls. and circuit and antenna  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>09:09 |
| - | 15 | ("4578626"   "4818855"   "4911217"   "5099227"   "5175418"   "5300875"   "5528222"   "5566441"   "5682143"   "5786626"   "5847447"   "5850187"   "5854480"   "6001211"   "6100804").PN.   | USPAT   | 2002/07/26<br>09:07 |
| - | 2  | ("5528222"   "5786626").PN.   | USPAT   | 2002/07/26<br>09:09 |
| - | 11 | 29/825.ccls. and circuit and antenna  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>09:10 |
| - | 18 | 29/25.35.ccls. and circuit and antenna  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>09:11 |
| - | 24 | 29/832.ccls. and circuit and antenna  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>09:14 |
| - | 23 | ("3679941"   "3805375"   "4597029"   "4603345"   "4922325"   "4933743"   "4996588"   "5111278"   "5285017"   "5306670"   "5336930"   "5353195"   "5353498"   "5386088"   "5414221"   "5455384"   "5468917"   "5524339"   "5527741"   "5530285"   "5552632"   "5653841"   "5776275").PN. | USPAT   | 2002/07/26<br>09:12 |

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|---|-----|---|---|---------------------|
| - | 127 | suspended same transmission adj lines and circuit and antenna   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>09:15 |
| - | 1   | suspended same transmission adj lines and circuit and antenna and "G-10" adj material                                       | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>09:17 |
| - | 1   | suspended same transmission adj lines and antenna and "G-10" adj material   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>09:18 |
| - | 5   | suspended same transmission adj lines and antenna and epoxy adj material  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>09:21 |
| - | 10  | ("3534376"   "4837536"   "4959705"   "4992764"   "5057908"   "5202752"   "5319237"   "5352998"   "5521406"   "5532506").PN. | USPAT   | 2002/07/26<br>09:20 |
| - | 6   | suspended same transmission adj lines and circuit and epoxy adj material  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>09:26 |
| - | 10  | ("4383226"   "5308250"   "5552752"   "5618205"   "5633615"   "5668509"   "5675302"   "5689216"   "5703599"   "5886590").PN. | USPAT   | 2002/07/26<br>09:23 |
| - | 0   | suspended same transmission adj lines and circuit and dielectric near epoxy adj material                                    | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>09:27 |
| - | 2   | suspended same transmission near circuit and (epoxy or G-10)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>09:29 |
| - | 0   | suspending adj transmission near support near layer and circuit and G-10 adj material                                       | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>09:30 |
| - | 0   | suspended adj transmission near support near layer and circuit and G-10 adj material  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>09:31 |

|   |     |  |   |                     |
|---|-----|--|---|---------------------|
| - | 0   | suspended adj transmission near support near layer and G-10 adj material | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>09:31 |
| - | 2   | suspended adj transmission and G-10 adj material                         | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>09:31 |
| - | 153 | suspended adj transmission   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>09:31 |
| - | 3   | suspended adj transmission and 29/\$.cccls.                              | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>09:32 |
| - | 0   | suspended adj transmission and circuit and antenna29/\$.cccls.           | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>09:32 |
| - | 12  | suspended adj transmission and circuit and antenna                       | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>09:33 |
| - | 1   | S-line and "antenna" and epoxy and g-10                                  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>09:35 |
| - | 2   | S-line and "cross slot antenna"  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>09:35 |
| - | 0   | 20020044098.URPN.  | USPAT   | 2002/07/26<br>09:35 |
| - | 453 | 343/770.ccls.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>09:35 |
| - | 374 | 343/770.ccls. and antenna  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>09:35 |

|   |    |                                      |   |                     |
|---|----|--------------------------------------|---|---------------------|
| - | 56 | 343/770.ccls. and antenna and spacer | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/26<br>09:36 |
| - | 2  | 5684684.pn.                          | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/07/01<br>14:48 |
| - | 2  | 5856662.pn.                          | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/07/02<br>09:01 |



|           | <b>Title</b>   | <b>Current OR</b> |
|-----------|--|-------------------|
| <b>1</b>  | <b>Dual band spiral-shaped antenna</b>   | <b>343/702</b>    |
| <b>2</b>  | <b>Antenna and shield</b>  | <b>343/841</b>    |
| <b>3</b>  | <b>Method and system for mounting a monopole antenna</b>   | <b>343/700MS</b>  |
| <b>4</b>  | <b>Printed or etched, folding, directional antenna</b>   | <b>343/702</b>    |
| <b>5</b>  | <b>Method and system for mounting a monopole antenna</b>   | <b>343/700MS</b>  |
| <b>6</b>  | <b>Printed or etched, folding, directional antenna</b>   | <b>343/795</b>    |
| <b>7</b>  | <b>Low profile tunable circularly polarized antenna</b>  | <b>343/702</b>    |
| <b>8</b>  | <b>Low visibility radio antenna with dual polarization</b>   | <b>343/895</b>    |
| <b>9</b>  | <b>Method of manufacturing an enclosed transceiver</b>   | <b>156/292</b>    |
| <b>10</b> | <b>Low visibility radio antenna with dual polarization</b>   | <b>343/895</b>    |
| <b>11</b> | <b>Composite antenna for cellular and gps communications</b>   | <b>343/700MS</b>  |
| <b>12</b> | <b>Flexible antenna and method of manufacturing same</b>   | <b>343/830</b>    |
| <b>13</b> | <b>Spiral-mode microstrip (SMM) antennas and associated methods for exciting, extracting and multiplexing the various spiral modes</b> | <b>343/895</b>    |
| <b>14</b> | <b>ANTENNA IMPEDANCE MATCHING DEVICE</b>   | <b>343/851</b>    |

|           | <b>Current XRef</b>  |
|-----------|--|
| <b>1</b>  | <b>343/895</b>   |
| <b>2</b>  | <b>343/702</b>   |
| <b>3</b>  | <b>343/846</b>   |
| <b>4</b>  | <b>343/700MS;<br/>343/893</b>  |
| <b>5</b>  | <b>343/702;<br/>343/846</b>  |
| <b>6</b>  | <b>343/700MS</b>   |
| <b>7</b>  | <b>343/700MS</b>   |
| <b>8</b>  | <b>29/600;<br/>343/872</b>   |
| <b>9</b>  | <b>156/278;<br/>340/10.1;<br/>340/572.7;<br/>343/908;<br/>438/115;<br/>438/125;<br/>438/126;<br/>438/127</b> |
| <b>10</b> | <b>29/600;<br/>343/872</b>   |
| <b>11</b> | <b>343/830;<br/>343/846</b> ✓  |
| <b>12</b> | <b>343/700MS;<br/>343/770;<br/>343/795;<br/>343/906</b> ✓  |
| <b>13</b> | <b>343/700MS</b>   |
| <b>14</b> | <b>336/232;<br/>336/69;<br/>343/900</b>  |